BUTIO, Galina Mikhaylovna, telyatnitsa; TKACHENKO, A.D., red.

[High weight of calves] Vysokie privesy teliat. Frunze, Kirgizskoe gos. izd-vo, 1962. 9 p. (MIRA 17:9)

1. Kolkhoz imeni Lenina Alamedinskogo rayona, Kirgiz.SSR (for Butio).

GLADILOV, V.N., inzh. [deceased]; BUTTS, A.A., inzh.; NOVOPOL'SKIY, N.N., inzh.; SMOLKIN, M.N., inzh.

Light characteristics of some incandescent lamps operating as "A"-type sources. Svetotekhnika 7 no.9:23 S '61. (MIRA 14:9)

1. Gosudarstvennyy opticheskiy institut.
(Electric lamps, Incandescent)

SHUKHTINA, A.M.; BUTTS, A.N.

Incidence of nephritis; from data of polyclinical observations. Sov. med. 26 no.2:125-120 F'63. (MIRA 16:6)

1. Iz poliklinikiI Leningradskogo meditsinskogo instituta imeni I.P.Pavlova (glavnyy vrach-kand.med.nauk A.M.Shukhtina, nauchnyy rukovoditel' raboty - doktor meditsinskikh nauk N.A.Tolubeyeva)
(KIDNEYS--DISEASES)

36064
S/079/62/032/004/005/010
D204/D301

15.8170

AUTHORS: Andreyev, D.N., Dolgov, B.N. (Deceased) and Butts, S.V.

TITLE: Stability of the Si-R bonds in γ-silico-organic acids

PERIODICAL: Zhurnal obshchey khimii, v. 32, no. 4, 1962, 1275-1277

TEXT: The action of conc. H_2SO_4 on methyl-di(n-amyl)-silyl-propionic acid showed that the Si-n-Am bond is slightly more stable then the Si-iso-Am bonds studied in an earlier work. Complete fission of this bond occurred on heating with H_2SO_4 to 70°C, over 1 hr. and keeping it for a further hour at that temperature, with stirring, to give $[HOOC.CH_2CH_2Si(n\text{-}C_5H_{11})CH_3]_2O$, (A). Including earlier results, the authors therefore concluded that stability of Si-C towards conc. H_2SO_4 in acids of the general formula $R_2(CH_3)SiCH_2CH_2COOH$ decreases in the order Et, n-Pr > Me > n-Am > n-Bu, iso-Am. Synthesis of $CH_3(PhCH_2)_2SiCH_2CH_2COOH$ was attempted to find whether the Si-CH_2X bond would be as stabilized by substituting Ph into the

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CH_3 group as it is by substitution with halogens, but both benzyl groups were found to break off the Si during alkaline hydrolysis of the methyl-dibenzyl-silyl-methyl malonate. Preparation of new compounds $CH_3(\underline{n}\text{-}C_5H_{11})_2SiCH_2Cl$, $CH_3(PhCH_2)_2SiCH_2Cl$, $CH_3(\underline{n}\text{-}C_5H_{11})_2SiCH_2CH(COOEt)_2$, $CH_3(PhCH_2)_2SiCH_2CH(COOEt)_2$, $CH_3(\underline{n}\text{-}C_5H_{11})_2SiCH_2CH_2COOH$ and A is described and their physical properties are tabulated. There are 1table and 4 references: 3 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: L.H. Sommer, W.P. Barie, and J. Gould, J. Am. Chem. Soc., 75, 3765, 1953.

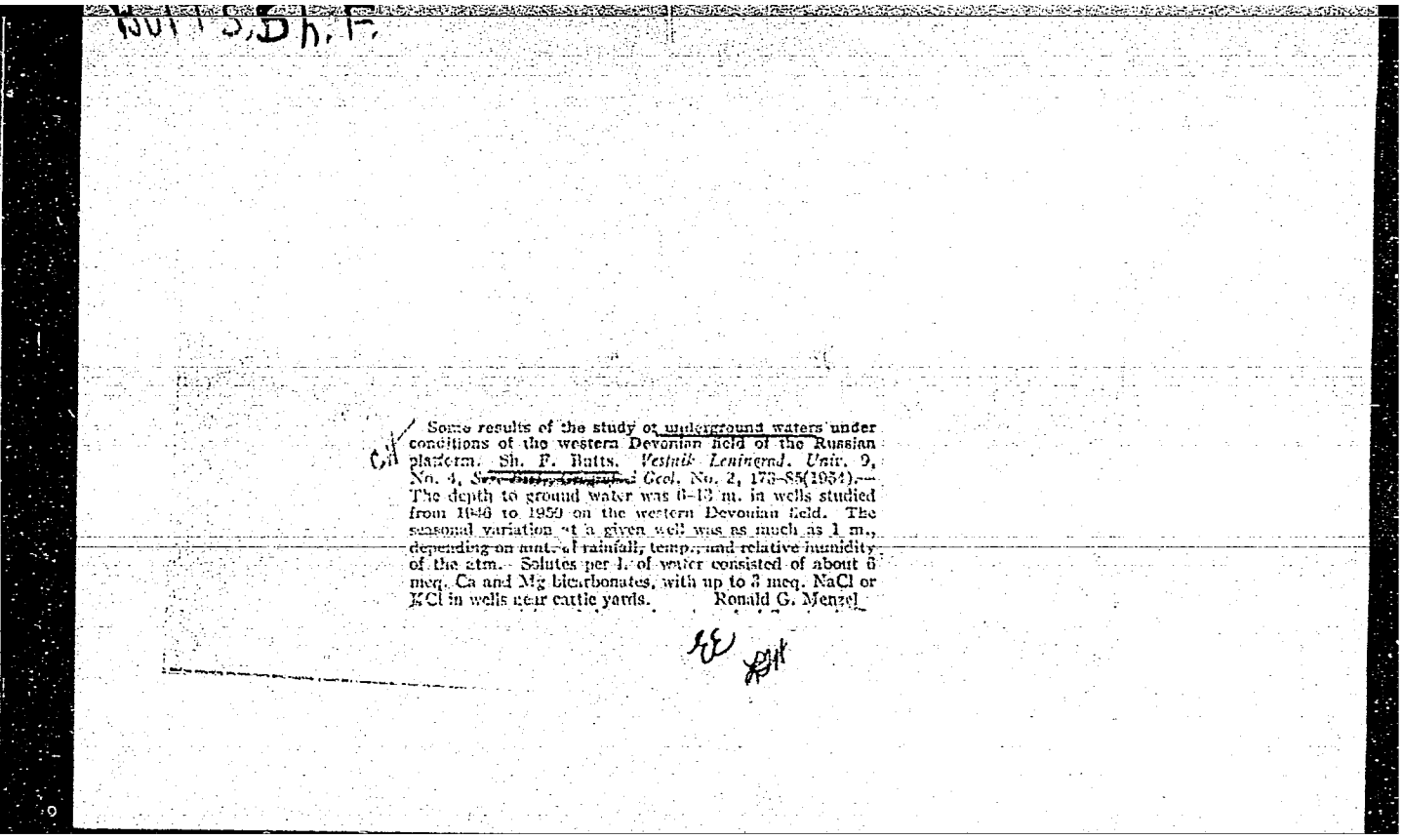
ASSOCIATION: Institut khimii silikatov Akademii nauk SSSR (Institute of Silicate Chemistry of the Academy of Sciences, USSR)

SUBMITTED: April 19, 1960

BUTTS, Sh.F.

Effect of exchangeable bases on the physiocomechanical properties of soils and subsoils. Uch.zap. Len.un. no.102:235-245 '50.
(MLRA 10:1)

(Soil chemistry)



Some results of the study of underground waters under conditions of the western Devonian field of the Russian platform. Sh. F. Batts. *Vestnik Leningrad. Univ.* 9, No. 4, *Ser. Biol., Geog. and Geol.* No. 2, 173–85(1954).—The depth to ground water was 6–12 m. in wells studied from 1946 to 1950 on the western Devonian field. The seasonal variation at a given well was as much as 1 m., depending on mat. of rainfall, temp., and relative humidity of the atm. Solutes per l. of water consisted of about 6 meq. Ca and Mg bicarbonates, with up to 3 meq. NaCl or KCl in wells near cattle yards. Ronald G. Menzel

BUTTS, Sharlotta Filippovna; SAMARINA, Vera Sergeyevna; FILONENKO, K.D., redaktor; IVANOVA, A.V., tekhnicheskiy redaktor

[Manual of practical work in hydrogeology] Posobie k prakticheskim zaniatiiam po gidrogeologii [Leningrad] Izd-vo Leningradskogo univ. 1956. 171 p. (MLRA 9:7)
(Water, Underground)

BUTTSEVA, Ye.M.

Bacteriological diagnosis of diphtheria in Lipetsk during the last four years. Zhur.mikrobiol., epid.i immun. 33 no.4:119-120 Ap '62. (MIRA 15:10)

1. Iz Lipetskoy gorodskoy sanitarno-epidemiologicheskoy stantsii.
(LIPETSK--DIPHTHERIA)

BUTTSEVA, Ye.M.

Mannitol-peptone medium with Andrade's indicator and quinsol for the detection of Escherichia coli within 24 hours. Lab. delo no.2:78-83 '65 (MIRA 18:2)

1. Lipetskaya gorodskaya sanitarno-epidemiologicheskaya stantsiya.

BUTTSEVA, Ye.M.

Determination of the toxigenicity of diphtheria bacilli in mixed cultures in vitro as a supplementary method in the identification of diphtheria bacteria. Lab. delo 6 no.4:47 Jl-Ag '60. (MIRA 13:12)

1. Gorodskaya sanitarno-epidemiologicheskaya stantsiya, Lipetsk.
(BACTERIOLOGY—CULTURES AND CULTURE MEDIA) (DIPHTHERIA)

BUTTU, A.

Mechanization of Loading Operations in the Excavation of Galleries (Demonstration of Various Kinds of Loaders and Loading Machines). Revista Minelor (Mining Journal), #9:284: Sept 55

BUTTU, A.

Mechanization of Loading Operations in Excavations of Galleries (Part 2). Revista Minelor (Mining Journal), #11:352: Nov 55

BUTTU, A.

TECHNOLOGY

Periodical: REVISTA MINELOR. Vol. 8, no. 12, Dec. 1957.

BUTTU, A. Conclusions of the investigating commission on the causes of the catastrophe in the Bois de Cazier coal mine, at Marcinelle, in Belgium. p. 563.

Monthly List of East European Accession (EEAI) LC, Vol. 8, no. 3
March 1959 Unclass.

BUTUCESCU, D., ing.; ZATREANU, A., ing.; TENTULESCU, D., ing.; RUSU, L., ing.; BALCANY, A., chimist; BOLCHI, F., ing.

Improvement of the quality of the Aghires sands for utilization in the glass industry. Rev min 15 no.11:576-581 N '64.

ALBERT, Francisc; BUTUCEANU, Eva; CUPFER, Margareta; STOIA, Maria

Dosing α-naphthylamine in the presence of β-naphthylamine.
Rev chimie Roum 9 no.6/7:441-443 Je-Jl '64

1. Laboratory of General Chemistry, Polytechnic Institute, Bucharest, 1 Polizu St.

ALBERT, Francisc; BUTUCEANU, Eva; CUPFER, Margareta; STOIA, Maria

Dosing α-naphthylamine in the presence of β-naphthylamine. Studii cerc chim 13 no.6/7:449-451 Je-Jl '64

1. Laboratory of General Chemistry, Polytechnic Institute, Bucharest, 1 Polizu St.

ALBERT, F.; BUTUCEANU, E.; CUPFER, Margareta

Quantitative analysis determination of β-naphthylamine in the presence of α naphthylamine. Rev chimie Roum 9 no.12:835-838 D '64.

1. Laboratory of General Chemistry, Polytechnic Institute, 1 Polizu Street, Bucharest. Submitted July 28, 1964.

ALBERT, F.; BUTUCEANU, E.; CUPFER, M.

Volumetric determination of the β-naphthylamine in presence of α-naphthylamine. Studii cerc chim 13 no.12:879-881 D '64.

1. Laboratory of General Chemistry, Polytechnic Institute, Bucharest, 1 Polizu Street.

RUMANIA/Soil Science - The Biology of Soils. J.

Abs Jour : Ref Zhur - Biol., No 15, 1958, 67909

Author : Butucescu, D.
Inst : -
Title : Contributions of Soviet Scientists to Problems of Humus and Soil Structure.

Orig Pub : An. Rom.-Sov. ser. silvicult.-ind. lemn. si hirt., 1956, 10, No 4, 27-37.

Abstract : A short examination of the significance of basic propositions on the nature of soil humus and on soil structure, as discussed in the works of A.F. Tyulin, M.M. Kononovaya, and others. Bibliography of 8 titles. -- K.I. Isadchenko

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SOCOLESCU, M., prof.; BUTUCESCU, N.; POPESCU, Th.; SAMOILA, I.; TEODORESCU, D.; DRAGILA, M.

Contributions to the knowledge of stanniferous mineralizing in the Baia Borsa, Burloaia ore. Rev min 13 no.11:481-487 N '62.

BUTUCESCU, N.; BONEA, L.; BOTNARENCU, A.; STOICESCU, Gh.; STOICESCU, Fl.

Gold and silver telluride mineralization in the Baita-Nistru (Baia Mare) deposit. Rev min 14 no.5:214-221 My '63.

ZHUKOV, V.A.; BUTUKHANOV, L.S.; DARIYEV, A.D.

Several technical and economic indices of obtaining industrial gas for the synthesis of ammonia on the basis of the Gusinoye Ozero coal. Trudy BKNII no.5:51-57 '61.

(MIRA 18:2)

BUTUKIN, S.P., inzh.

Practices in manufacturing nonwoven fabrics. Tekst.prom. 20 no.6:9-13 Je '60. (MIRA 13:7)
(Nonwoven fabrics)

BUTUKIN, Stepan Pavlovich; YEGOROV, Petr Nikitovich [deceased]; GLEBOV, D.V., retsenzent; VELIKOVSKIY, A.S., spets. red.; VERBITSKAYA, Ye.M., red.; SHVETSOV, S.V., tekhn. red.

[Manufacture of nonwoven textile fabrics; interknit-stitch method] Proizvodstvo netkanykh tekstil'nykh materialov; viazal'no-proshivnoi sposob. Moskva, Rostekhizdat, 1961. 97 p. (MIRA 15:7)

(Nonwoven fabrics)

BUTULIGA, M.; NACIU, M.

Obligations to increase capital accumulation. p. 1

Vol 7, no. 300, Oct. 1955
CONSTRUCTORUL
Bucuresti

Source: East European Accessions List (EEAL), LC. Vol. 5, No. 2
Feb. 1956

BUTUNOIU, Simion

Workers were well prepared for the new equipment. Constr Buc 15 no.724:2 23 N '63.

1. Secretarul comitetului de partid de la Fabrica de ciment, Bicaz.

RUMANIA

CERNEA, I., Veterinarian and BUTURA, I., Dr, of the Cluj Area Experimental Center (Centrul Experimental Zonal, Cluj) of the "Pasteur" ICVB [Institutul de Cercetari Veterinare si Biopreparate; Institute for Veterinary Research and Biological Products], CIOCANELEA, V., Prof, Pharmacist, and BAN, I., Dr of the Medical-Pharmaceutical Institute (Institutul Medico-Farmaceutic), Cluj.

"Studies on the Etiology and Treatment of Cow Mastitis."

Bucharest, Revista de Zootehnie si Medicina Veterinara, Vol 17, No 1, Jan 67, pp 48-55.

Abstract [Authors' English summary modified]: The authors studied the microbial flora in clinical mastitis by using the Camp test on the main organisms recovered from 52 afflicted cows. On the basis of the aureocyclin sensitivity of the bacterial flora, an effective ointment was prepared which consists of aureocyclin, trypsin, vaseline and lanolin and is administered through the milk ducts in the early stages of the disease.

Includes 2 tables and 28 references, of which 5 Rumanian, 2 German, 3 French and 18 English-language.

MARCU, Gheorghe; BUTURCA, Flaviu

Application of the method of analyzing by reflection of radiations to the systems: PbO-Fe_2O_3; PbO-NiO; PbO-ZnO; F_2O_3 and Fe_2O_3-C. Studia Univ B-B S. Chem 8 no. 2:7-10 '63.

L 00092-66 EWP(t)/EWP(b) DIAAP/IJP(c) JD/JG
ACCESSION NR: AP5025537 RU/0027/65/010/001/0155/0165

AUTHOR: Pascu, N.; Ripan, R. (Academician ARPR); Buturca, F.

TITLE: Determination with the aid of radioactive gold 198 of the crushing and flotation time of auriferous minerals at Rosia Montana, the distribution of gold in the crushed mass and the gold losses in the final sterile

SOURCE: Studii si cercetari de metalurgie, v. 10, no. 1, 1965, 155-165

TOPIC TAGS: radioisotope, gold, mining engineering, radiometry

ABSTRACT: The authors used radioactive gold to mark the technological flux in the ore-processing plant and determined radiometrically the following parameters: grinding time, speed of movement through the mill and the crusher, flotation time, distribution of gold in the agitation mass, and gold losses in the final sterile. Orig. art. has: 1 figure, 1 formula, 13 graphs.

ASSOCIATION: Institutul de chimie, Academia R. P. R., Cluj (Institute of Chemistry, RPR Academy)

SUBMITTED: 07Dec64 ENCL: 00 SUB CODE: GO, NP

NR REF SOV: 000 OTHER: 004 JPRS

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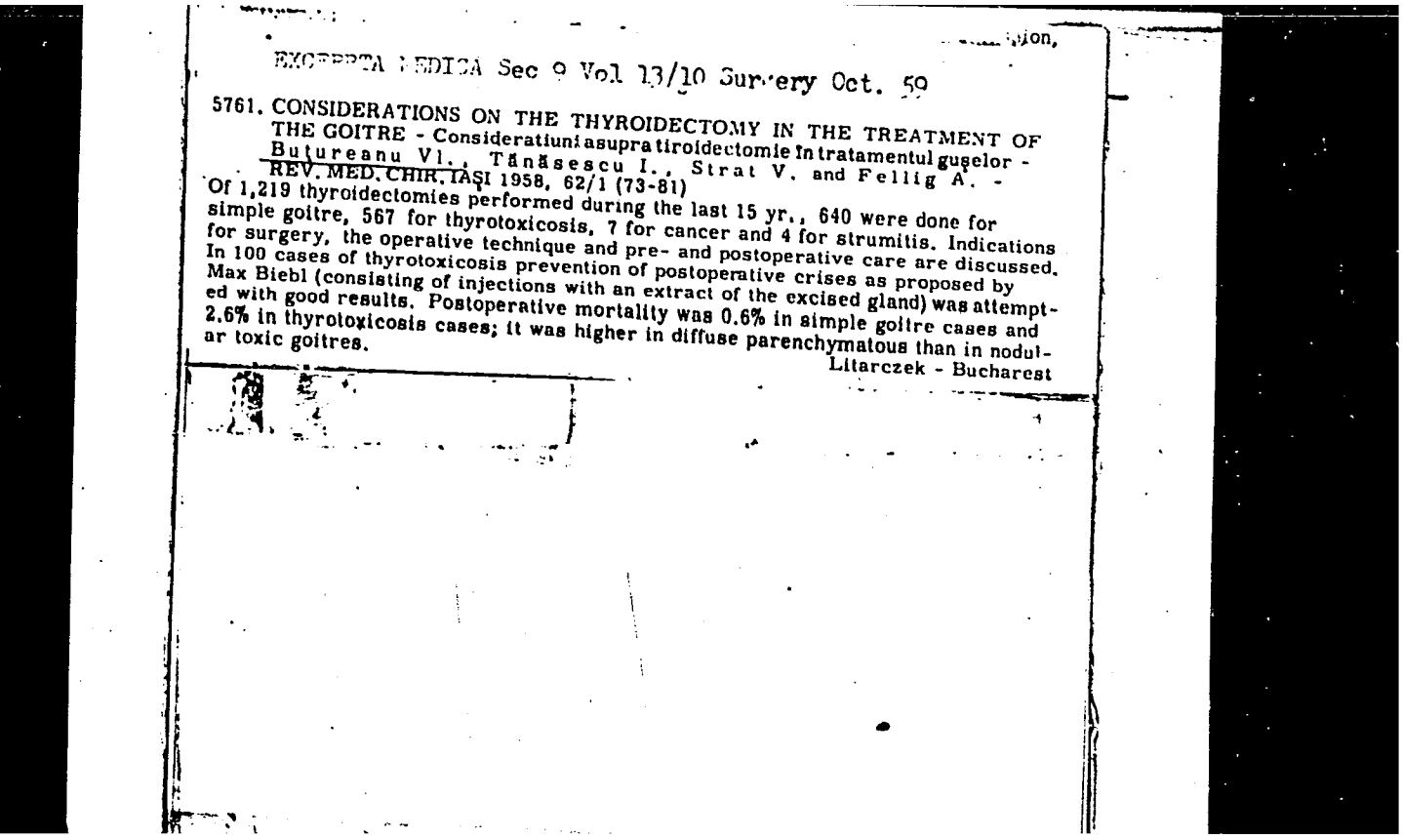

...ion,

EXCERPTA MEDICA Sec 9 Vol 13/10 Surgery Oct. 59

5761. CONSIDERATIONS ON THE THYROIDECTOMY IN THE TREATMENT OF THE GOITRE - Consideratiuni asupra tiroidectomie în tratamentul gușelor - Butureanu Vl., Tănăsescu I., Strat V. and Fellig A. - REV. MED. CHIR. IAȘI 1958, 62/1 (73-81)

Of 1,219 thyroidectomies performed during the last 15 yr., 640 were done for simple goitre, 567 for thyrotoxicosis, 7 for cancer and 4 for strumitis. Indications for surgery, the operative technique and pre- and postoperative care are discussed. In 100 cases of thyrotoxicosis prevention of postoperative crises as proposed by Max Biebl (consisting of injections with an extract of the excised gland) was attempted with good results. Postoperative mortality was 0.6% in simple goitre cases and 2.6% in thyrotoxicosis cases; it was higher in diffuse parenchymatous than in nodular toxic goitres.

Litarczek - Bucharest

BUTURLAKIN, Prokofiy Timofeyevich

[Party work is a lively, creative activity; decisions of the party concerning the reorganization of machine-tractor stations in practice] Partiinaia rabota - zhivoe, tvorcheskoe delo; resheniia partii o reorganizatsii MTS v deistvii. Moskva, Sovetskaia Rossiia, 1958. 36 p. (MIRA 12:12)
(Machine-tractor stations)

BUTURLIN, V. V.

Clinical application of the root Panax ginseng. Sovet. med. No. 5, May 50. p. 34-6

1. Of the Clinic of Hospital Therapy, Naval Medical Academy imeni S. M. Kirov (Head of Staff--Prof. N. S. Molchanov).

CLML 19, 5, Nov., 1950

BUTURLIN, V.V.

Diagnostic value of formalin reaction in endocarditis. Klin.med., Moskva 29 no.3:85 Mar 51. (CLML 20:7)

1. Of the Clinic of Hospital Therapy (Head--Prof. N.S. Molchanov, Major General Medical Corps), Military Medical Academy imeni S.M. Kirov, Leningrad.

BUTURLIN, V.V.

Results of application of Gnaphalium uliginosum in hypertension. Sovet med. 17 no.3:40-42 Mar 1953. (CIML 24:2)

1. Of the Clinic of Hospital Therapy (Head -- Prof. M. S. Molchanov), Military Medical Academy imeni S. M. Kirov.

BUTURLIN, V.V.

Treatment of hypertension with increpan; preliminary report.
Terap. arkh. 35 no.9:80-86 S'63 (MIRA 17:4)

1. Iz kafedry gospital'noy terapii (nachal'nik - deystvitel'-nyy chlen AMN SSSR prof. N.S. Molchanov) Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova.

BUTURLINOV, N.V.

Monzonite-porphyries in the southwestern part of the Donets Basin. Izv.vys.uchab.zav.; geol.i razv. 2 no.5:38-45 My '59. (MIRA 12:12)

1. Donetskiy industrial'nyy institut.
(Donets Basin--Monzonites) (Donets Basin--Porphyry)

BUTURLINOV, N.V.

Lamprophyres in the Shakhta region. Izv.vys.ucheb.zav.; geol.i razv. 2 no.11:50-62 N '59. (MIRA 13:6)

1. Donetskiy industrial'nyy institut.
(Shakhta region--Lamprophyres)

BUTURLINOV, N.V.; PANOV, B.S.

Igneous rocks and ore formation in the Donets Basin. Zap.Vses.min. ob-va 88 no.4:419-429 '59. (MIRA 12:11)

1. Donetskiy industrial'nyy institut, g. Stalino.
(Donets Basin--Petrology)

BUTURLINOV, N.V.

Contact metamorphism of coals in the southwestern Donets Basin.
Izv.vys.ucheb.zav.;geol.i razv. 4 no.7:56-64 Jl '61. (MIRA 14:8)

1. Donetskiy industrial'nyy institut.
(Donets Basin--Coal geology)

BUTURLINOV, N.V.

Basic characteristics of the petrochemistry of igneous rocks in the Donets Basin. Dokl. AN SSSR 157 no. 2:357-360 Jl '64. (MIRA 17:7)

1. Donetskiy politekhnicheskiy institut. Predstavleno akademikom D.S.Korzhinskim.

BUTURLINOV, N.V.; PANOV, B.S.; KOBELEV, M.V.; KARPOV, G.F.

New data on Devonian igneous activity in the southwestern margin of the Donets Basin. Dokl. AN SSSR 156 no. 4:817-820 Je '64. (MIRA 17.6)

1. Donetskiy politekhnicheskiy institut. Predstavleno akademikom D.S.Korzhinskim.

R[illegible]NOV, N.V.; [illegible]OVA, G.U.

Age of andesites in the Donets Basin. Dokl. AN SSSR 159 no.1:95-97 N '64. (MIRA 17:12)

1. Predstavleno akademikom D.S. Korzhinskim.

BUTURLINOV, N.V.; ZARITSKIY, A.I. [Zaryts'kyi, O.I.]

Characteristics of the distribution of fluorine in the igneous rocks of the Donets Basin as a possible criterion in prospecting for fluorite. Dop. AN URSR no.9:1203-1205 '65.

(MIRA 18:9)

1. Donetskiy politekhnicheskiy institut; Priazovskaya geologorazvedochnaya ekspeditsiya.

NIKOL'SKIY, I.V.; BUTURLINOV, N.V.

Plan of geological evolution and the problems of metallogeny in the Donets Basin. Izv. AN SSSR 163 no.4:1455-1458 Ag '65.
(MIRA 18:8)

1. Donetskiy politekhnicheskiy institut. Submitted May 17, 1965.

BUTURLINSKII, A.

Novaia bespoplavkovaia vodoukazatel'naia signalizatsiia. [The new non floating water gauge signaling]. (Zhel-dor. transport, 1943, no. 9-10, p. 77-81).

DLC: HE7.Z5

SO: SOVIET TRANSPORTATION AND COMMUNICATIONS, A BIBLIOGRAPHY, Library of Congress Reference Department, Washington, 1952, Unclassified.

IOANNISYAN, A.I., professor, doktor tekhnicheskikh nauk; BUTURLOV, V.V.; VERTSMAN, G.Z., kandidat tekhnicheskikh nauk; PETROV, V.I., kandidat tekhnicheskikh nauk.

[Railroad planning and construction; part 1; railroad planning] Proektirovanie i postroika zheleznykh dorog. Chast' 1. Proektirovanie zheleznykh dorog. Moskva, Gos. transp. zhel-dor. izd-vo, 1953- v.l. p.[483].

(MLRA 6:12)
(Railroad engineering)

MUSAYEV, I.A.; ISKHAKOVA, E.Kh.; RUMYANTSEV, A.N.; KISLINSKIY, A.N.; SANIN, P.I.
Prinimali uchastiye: Buturlova, T.N., starshiy laborant; LEVITOVSKAYA, M.S., starshiy laborant; ARTAMONOVA, R.A., starshiy laborant

Investigating olefins in gasolines from the high-speed cracking of paraffin petroleum products. Neftekhimia 4 no.4:567-571 Jl-Ag '64
(MIRA 17:10)

1. Institut neftekhimicheskogo sinteza im. A.V. Topchiyeva AN SSSR.

BUTUROVIC, ADEM.

Dosada poznati kopeni izopodi Bosne i Hercegovine. Skopje, 1953. 18 p. (Skopje, Yugoslavia. Prirodonaucni juzej. Izdania. Acta, t. 1, no. 6)

SOURCE: East European Accessions List, (EEAL) Library of Congress, Vol. 5, No. 8, August, 1956.

[illegible], A.

Contribution to the knowledge of terrestrial [illegible] in the [illegible] of Macedonia. p. 117

[illegible] vol. 1, no. 14, Jan. 1955

Yugoslavia

SO. EAST EUROPEAN ACCESSIONS LIST vol. 5, no. 10 Oct. 1956

BUTUROVIC A.

Trichoniscidae (Isop. terrestria) Fruske Gore; a contribution to the study of the terrestrial isopods of Fruska Gora. p. 131.

GEODETSKI LIST. (Drustvo geodeta Hrvatske)
Zagreb, Yugoslavia
Vol. 13, No. 7/9, July/Sept. 1959.

Monthly list of Eastern European Accession Index (EEAI) LC vol. 8, No. 11
November 1959
Uncl.

BUTUROVIC, A.

Trichoniscidae (Isop. terrestria) Fruske Gore; a contribution to the study of the terrestrial isopods of Fruska Gora p. 131.

ZBORNIK ZA PRIRODNE NAUKE Novi Sad, Yugoslavia, no. 16, 1959.

Monthly List of East European Accessions Index (ELAI) LC, Vol.8, no.11
Nov. 1959
Uncl.

BUTUROVIC, Adem

Concerning some species of terrestrial Isopoda of Serbia. Glas Prir muz B no.15:93-112 '60.

BUTUROVICH, I. Kh.

Device for testing the layer of fibers on the main carding cylinder. Izv. vys. ucheb. zav.; tekh. tekst. prom. no.6: 55-62 '63 (MIRA 17:8)

1. Leningradskiy politekhnicheskiy institut imeni M.I.Kalinina.

BUTUROVICH, I.Kh.

Evening of the sliver number during sliver formation from the carding. Izv. vys. ucheb. zav.; tekh. tekst. prom. no.4: 59-68 '63. (MIRA 16:11)

1. Leningradskiy politekhnicheskiy institut imeni M.I. Kalinina.

BUTUROVICH, I.Kh.

Equation of the changes in weight by length unit and composition of the carding in a roller carder. Izv. vys. ucheb. zav.; tekh. tekst. prom. no.1:58-62 '65. (MIRA 18:5)

1. Leningradskiy politekhnicheskiy institut imeni Kalinina.

BUTUROVICH, I.Kh.

Equalizing and mixing capacity of the roller carding machine. Izv. vys. ucheb. zav.; tekh. tekst. prom. no.2:71-76 '65. (MIRA 18:5)

1. Leningradskiy politekhnicheskiy institut imeni Kalinina.

HORNOLD, Ilie; BUTUSINA, Dumitru

Development of the light industry in the six-year plan. Probleme econ 15 no.5:160 My '62.

1. Director, Fabrica de confectii Tudor Vladimirescu, Tg. Jiu (for Hornold). 2. Contabil sef, Fabrica de confectii Tudor Vladimierscu, Tg. Jiu (for Butusina).

ZRAZHEVSKIY, G.N., kand.tekhn.nauk; MINKINA, TS.I., kand.biol.nauk; BUTUZKINA, T.G.; PETRUSHENKO, N.G., inzh.; BOGOMOLOV, P.V., inzh.; POLYAKOV, V.F., inzh.; RYSIN, V.I., inzh.

Exchange of experience among the enterprises of economic councils. Torf. prom. 38 no.8:30-34 '61. (MIRA 14:12)

1. Belorusskiy institut inzhenerov zheleznodorozhnogo transporta (for Zrazhevskiy). 2. TSentral'naya torfo-bolotnaya opytnaya stantsiya (for Butuzkina). 3. Torfopredpriyatiye Tesovo 1, Lengostorf (for Petrushenko, Bogomolov). 4. Sverdlovskaya fabrika izoplit (for Polyakov). 5. Torfopredpriyatiye Radovitskiy mokh Mosoblsovnarkhoza (for Rysin).
(Peat machinery)

GOL'DIN, Mikhail L'vovich; BUTUSOV, A.P., red.; POPOVA, S.M., tekhn. red.

[Automatic level control by means of gamma rays] Avtomaticheskii kontrol' urovnia gamma-luchami. Moskva, Gosatomizdat, 1963. 66 p. (MIRA 16:7)
(Gamma rays--Industrial applications)
(Level indicators)

SENCHENKOV, Anatoliy Pavlovich; BUTUSOV, A.P., red.

[Atomic rockets and problems of space exploration; a popular science essay] Atomnye rakety i problemy osvoeniia kosmosa; nauchno-populiarnyi ocherk. Moskva, Atomizdat, 1964. 183 p. (MIRA 17:11)

KRAMEROV, Aleksandr Yakovlevich; SHEVELEV, Yasen Vladimirovich; BUTUSOV, A.P., red.; KARPOV, T.V., red.

[Engineering designs of nuclear reactors] Inzhenernye raschety iadernykh reaktorov. Moskva, Atomizdat, 1964. 715 p. (MIRA 18:1)

FRANK-KAMENETSKIY, David Al'bertovich; BUTUSOV, A.P., red.

[Lectures on plasma physics] Lektsii po fizike plazmy. Moskva, Atomizdat, 1964. 282 p. (MIRA 17:10)

1. BUTUSOV B.I.

2. USSR (600)

4. Underground construction

7. Improving the task of planning and construction of underground installations in Moscow, Gor.khov.Mosk. 26 no.12, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

BUTUSOV, I.V.

The EVK-1 electronic moisturemeter used for the rapid determination of moisture content in leather. Priborostroenie no.12:5-7 D'56.
(MIRA 10:1)

(Electronic instruments) (Moisture)
(Leather--Testing)

BUTUSOV, I.V., inzhener.

Over-all automatization of industrial processes. Priborostroenie no.7:1-2 Jl '57. (MLRA 10:9)
(Automatic control)

Butusov, I.V

AUTHOR: Butusov, I.V. 76-11-30/35

TITLE: The Increase of the Sensitivity of Automatic Electron Potentiometers (O povyshenii chuvstvitel'nosti avtomaticheskikh elektronnykh potentsiometrov)

PERIODICAL: Zhurnal Fizicheskoy Khimii, 1957, Vol. 31, Nr 11, pp. 2578-2579 (USSR)

ABSTRACT: This article was published by the editors in an abbreviated version because a description of computing devices for series production does not fall within the scope of the periodical concerned. The present paper criticises the works by A.I. Makhlis, V.M. Makushenko and V.P. Gubanov [Ref. 1 and 2], in which, according to the author's opinion, a number of incorrect statements were made. These statements are discussed and refuted one after the other. It is then pointed out that in the GSOKB a highly sensitive microvolt meter with measuring ranges of from 0 to 100 μV and from 0 to 50 μ V was worked out and is already produced in series. There are 2 Slavic references.

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The Increase of the Sensitivity of Automatic Electron Potentiometers 76-11-30/35

SUBMITTED: March 19, 1957

AVAILABLE: Library of Congress

Card 2/2

PHASE I BOOK EXPLOITATION 667

Butusov, Ivan Vasil'yevich

Avtomaticheskiye kontrol'no-izmeritel'nyye i reguliruyushchiye pribory (Automatic Measuring and Regulating Instruments) Leningrad, Gostoptekhizdat, 1958. 388 p. 6,250 copies printed.

Eds.: Vavilov, A. A. and Dushin, Ye. M.; Executive Ed.: Dolmatov, P. S.; Tech. Ed.: Yashchurzhinskaya, A. B.

PURPOSE: This book can be useful to engineering and technical personnel working with measuring and regulating instruments and also students specializing in automatic controls and regulators.

COVERAGE: Some information on measuring and regulating instruments used in industry is given in this book. Basic elements of automatic instruments are presented in the first part of the text. In the second part the principles of operation and installation of instruments used for measuring the temperature, pressure, liquid level, moisture content, heat consumption, and hydrogen ion concentration in water solutions are discussed.

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The characteristics, principles of operation, and construction of regulating instruments are given in the third part of the monograph. These instruments were developed by the State Special Designing Office of the Scientific Research Institute Teplopribor, All-Union Heat Engineering Institute imeni F.E. Dzerzhinskiy, and the Central Automatic Laboratory of the USSR Ministry of Ferrous Metallurgy. The author thanks V.A. Romanov, Ye.M. Dushin, A.A. Vavilov for their valuable comments when reviewing the manuscript. There are 87 references, of which 85 are Soviet (including 5 translations), and 2 English.

TABLE OF CONTENTS:

BUTUSOV, I.V.

The NVK-6 electronic moisture meter. Leg. prom. 18 no.2:37-38 F '58. (MIRA 11:2)

(Moisture) (Electronic instruments)

AUTHOR: Butusov, I.V.

119-58-5-8/11

TITLE: Increase of the Sensitivity of the Automatic Electron Potentiometer (Povysheniye chuvstvitel'nosti avtomaticheskikh elektronnykh potentsiometrov)

PERIODICAL: Priborostroyeniye, 1958, Nr 5, pp. 24-26 (USSR)

ABSTRACT: In the Soviet devices hitherto produced, the noise level influencing measuring accuracy was very high. Therefore, a new self-recording microvoltmeter EPP -11 was constructed, the ranges of which are 0 - 50, 0 - 100 and 100 - 0 - 100 μV. The error limit of measuring and recording never exceeds + 0.5% of the value measured. A change of voltage of ± 10% and a change of frequency of ± 5% does not cause any additional errors.
The compensation measuring method consists in the fact that the EMF to be measured at the input of the diagonal of a measuring system is given, where it is compensated by a voltage which is recorded by a gauged "reochord" (potentiometer with servomotor). If both voltages are equal, no voltage reaches the amplifier and the system is at rest. If the EMF to be measured changes its magnitude, a voltage is applied to the amplifier which acts

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upon the servomotor of the "reochord" until a new length of equilibrium is reached. The motor at the same time changes the indicator as well as the recorder of the indicating- and recording device respectively.
Special attention was paid in order to attain a low noise level of the amplifier and a value of $U_{St} = 6,1 \cdot 10^{-8}$ V (total stress of the disturbance). The device described is now being produced in series. There is 1 figure and 1 Soviet reference.

AVAILABLE: Library of Congress

1. Potentiometers--Sensitivity 2. Potentiometers--Characteristics

9 (6)

AUTHOR: Butusov, I. V., Engineer SOV/119-59-6-16/18

TITLE: Automatic Recording Electrometer EPP-40 With Dynamic Condenser (Avtomaticheskiy samopishushchiy elektrometr EPP-40 s dinamicheskim kondensatorom)

PERIODICAL: Priborostroyeniye, 1959, Nr 6, pp 30 - 31 (USSR)

ABSTRACT: For the purpose of utilizing alternation current amplifiers, the direct current measured in the electro meter is transformed into alternating current by a "dynamic" condenser. The dynamic condenser varies its capacity periodically either by changing the plane or the interspace of the condenser plates. Figure 1 shows the circuit diagram. The measuring voltage is transferred to a measuring bridge and a potentiometer connected with the pencil is again shifted to the equilibrium position by an induction motor. The electrometer exhibits five measuring ranges of between 0 - 100 and 0 - 10 000 mv. The connection to a supply system of 127 v and 50 cycles is planned. Because of their precision these instruments will problably be widely made use of in mass spectrometry, in pH-measurements, in photometry, and other fields, where measurement and recording of weak currents, charges, and voltages are required. The device was

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worked out in the GSOKB of the Gosplan USSR. There are 2 figures.

9(6) SOV/119-59-1o-14/19

AUTHOR: Butusov, I. V., Engineer

TITLE: The Automatic Recording Two-coordinate Potentiometer EP2K-01

PERIODICAL: Priborostroyeniye, 1959, Nr 1o, pp 24 - 26 (USSR)

ABSTRACT: This automatic potentiometer of the type EP2K-01 was developed by an OKB of the Gosplan (USSR), and makes it possible to record the diagram of two magnitudes which were previously transformed into direct-current voltage. The wiring diagram shown in figure 1 consists of two compensating circuits for the coordinates x and y, with a zero indicator at the exit. These circuits control two motors of the type RD-09, one of which actuates the travel of a stylus in the x direction, the other the travel of a diagram card in the y direction. The method of operation of this potentiometer is described in detail. Basically, the current of the measuring diagonal of the bridge circuit is electronically amplified, and the motor belonging to the respective compensating circuit is thus controlled. The movement of the motor controls the travel of the stylus and of the diagram card respectively, and restores also the equilibrium of the system. In con-

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clusion, an inside and outside view of the instrument are shown in figures 2 and 3, and its dimensions are given. The error of measurements and of the diagrams does not exceed ± 1%. There are 3 figures.

BUTUSOV, I.

EVK-6 electronic moisture tester. Leg.prom. 18 no.6:45 Je '59. (MIRA 12:10)
(Electronic instruments)

31500

S/119/60/000/009/00[illegible]/009
B116/B206

9,2300 (1153,1160,1161,1385)

AUTHOR: Andreyev, A. A., Engineer and Butusov, I. V., Engineer

TITLE: Automatic electronic miniature self-recorders

PERIODICAL: Priborostroyeniye, no. 9, 1960, 13 - 16

TEXT: A newly developed group of automatic electronic miniature devices for controlling temperature, pressure, quantity, level etc. is described. They are: the potentiometers ПСМР2 (PSMR 2), bridges МСМР2 (MSMR 2) and devices with the differential transformer measuring circuit ДСМР2 (DSMR 2). The main characteristic data of the devices are: basic error in % of the upper measuring range: ±1; error of the telemeter maximum ±0.5%; length of scale and width of strip-chart: 100 mm; external dimensions: 186·186·440 mm; mains supply: a. c. 127 v and 50 cycles. Changes of the supply voltage by ±10% and of the frequency by ±5% cause no additional errors. The mode of action of the devices is based on compensation measurement with automatic balancing. In the first two devices the

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measured values are balanced by means of slide wires, in the third device by displacing the plunger of the differential-transformer coil. The PSMR 2-device (Fig. 1) consists of the compensation measuring circuit I with the remote control device, the stabilized d. c. supply source II, the zero indicator III as well as the indicating and recording device. Besides, either a rheostat-reference input element (reostatnyy zadatchik) or a position-control device are incorporated in the devices for controlling the controlled variable. The installation for supervising the device consists of the switch K and R_{11}, R_{12}. When pressing the button K, the ends of the thermocouple TT and R_1 are short-circuited. R_4-R_5 are simultaneously shunted by R_{11}. A voltage is applied to the amplifier input by means of R_{12} when the pickup circuit is broken. The slide wire R_{13} and the trimmer capacitors R_{14} and R_{Λ} belong to the remote indication device. The mode of action of the supply source II is as follows. The alternating voltage of the secondary winding of the transformer T_1 is rectified by the bridge rectifier with germanium diodes ДГ-Ц27 (DG - Ts27) and applied to the T shaped filter R_{15}, R_{16} and C_1). The rectified and filtered voltage is stabilized by the gas stabilizer 1 and filtered again by a second T

shaped filter (R_{17}, R_{18} and C_1). The semi-variable resistance R_{19} and the variable resistance R_{20} serve for controlling the output voltage. The zero indicator III is an electronic a. c. amplifier with the two-phase induction motor 2. The convertor cascade consists of the single pole electromagnetic convertor 3 with the input transformer T_2. The device operates in the following way: The measured thermo emf of the thermocouple ТП is compared with the voltage drop in the section of the slide wire R. If the two are not equal, the difference is applied to the amplifier input as an unbalance signal. This signal voltage, converted and amplified by the amplifier, causes a rotation of the motor 2. This displaces the slide of the slide aire into equilibrium position, for which no difference exists between thermo emf and the voltage drop at the slide wire. Together with the slide of the slide wire, the carriage with the stylus and the indicator is also displaced, so that the measured value may be read continuously. Simultaneously with the slide of the slide wire, the discs of the position control device, or the slide of the rheostat-reference input element are displaced. The MSMR2-device (Fig. 2) consists of a balanced bridge measuring circuit with a telemeter, the zero indicator,

Automatic electronic miniature...

the indicating- and recording device and the installation for supervising the device. Besides, either a position control device or a rheostat-reference input element are incorporated. The operation of the second bridge is based on measuring the resistance R_T of the thermometer which is connected to one arm of the bridge. The bridge is balanced by means of the slide wire R. The zero indicator is an electronic a. c. amplifier II. K is the switch of the installation for supervising the device. The DSMR2-device (Fig 3) consists of the measuring circuit I with telemeter and supervision installation, the amplifier II and the indicating- and recording device. To the measuring circuit belong the transformer coil 1, the pickup and the coil 2 of the secondary device with the movable plungers. The primary windings of both coils are connected in series and are supplied by the winding of the power transformer T_P. The correcting coil 3 serves for zero correction. It is connected in series with the other coils. The plunger of the coil in the device is displaced by means of the cam disc . To every position of the pickup coil plunger corresponds a certain position of the plunger in the coil of the secondary device, which is connected with the stylus and the indicator.

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Automatic electronic miniature...

The device is checked by pressing button K of the supervision.
There are 5 figures and 1 Soviet-bloc reference.

Legend to Fig. 1:
Principal circuit of the potentiometer PSMR2:
I) Measuring circuit,
II) stabilized supply source,
III) amplifier.

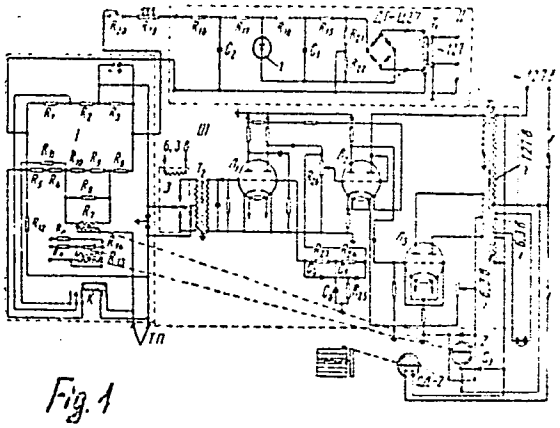

Fig. 1

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SOV/5313

PHASE I BOOK EXPLOITATION

Butusov, Ivan Vasil'yevich

Avtomaticheskiye kontrol'no-izmeritel'nyye i reguliruyushchiye pribory (Automatic Checking, Measuring, and Regulating Instruments) 2d ed., rev. and enl. Leningrad, Gostoptekhizdat, 1961. 495 p. Errata slip inserted. 8,200 copies printed.

Scientific Ed.: V. A. Oleynikov; Chief Ed.: P. S. Dolmatov; Tech. Ed.: A. B. Yashchurzhinskaya.

PURPOSE: This book is intended for technical personnel engaged in the planning, assembly, and operation of checking, measuring, and control instruments. It may also be useful to students of automatic control and regulation in schools of higher technical education and tekhnikums.

COVERAGE: The book contains information on checking and measuring instruments used in industry. Part I describes the basic components of automatic devices. Part II deals with the principles

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of operation and the arrangement of instruments for measuring temperature, pressure, levels, flows, heat content, moisture content, and hydrogen ion concentrations in aqueous solutions. Part III gives the characteristics, principles of operation, and designs of regulating devices. The author thanks V. A. Romanov and V. A. Oleynikov for their advice. There are 112 references: 106 Soviet, and 6 English.

TABLE OF CONTENTS:

38513
S/123/62/000/011/003/011
A052/A101

17.1210 (2408)

AUTHORS: Kutaytseva, Ye. I., Zhukov, S. L., Butusova, I. V., Filippova, Z. G.

TITLE: Fatigue strength of aluminum-base alloys

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 11, 1962, 24, abstract 11A151 (V sb. "Deformiruyemyye alyumin. splavy". Moscow, Oborongiz, 1961, 150 - 157)

TEXT: The effect of structure and of alloying elements (0.3 - 1.1% Si, 0.5 - 2% Mg) on the fatigue strength of Al-alloys of Al-Mg-Si system was studied. These alloys are applied as a material for longerons of helicopter blades. The results have shown that an increase of percentage of Mg-phase within its limits of solubility in the solid solution increases the tensile σ_b and decreases δ. The maximum fatigue limit have АК 8 (AK8), Д16 (D16) and У 95 (U95) alloys, σ_{-1} depending directly on the conditions of ageing. В 95 (V95) alloy has good σ_{-1} characteristics, but at the same time an increased sensitivity to stress concentrations which reduces σ_{-1} in ready products.

[Abstracter's note: Complete translation]

Card 1/1

[illegible]OVA, Ye.F.; [illegible], I.V.

The [illegible] low-tem[illegible] [illegible] [illegible]grometer. [illegible]riboro[illegible]troenie no. [illegible]-25 F '61. ([illegible] 14:2)

([illegible])

BUTUSOV, I.V.

Improved potentiometers. Priborostroenie no.3:23-24 Mr '62.
(MIRA 15:4)
(Potentiometer)

BUTUSOV, I.V.

Automatic digital d.c. voltmeter. Avtom.i prib. no.3:48-51 Jl-S '62. (MIRA 16:2)

1. Institut avtomatiki Gosplana UkrSSR.
(Electron-tube voltmeter)

RUDNAYA, A.I., kand.tekhn.nauk; GAYDUCHENKO, N.I.; BUTUSOV, I.V.

Pickup for measuring temperatures in mixing devices. Avtom.i prib. no.3:83 Jl-S '62. (MIRA 16:2)

1. Institut avtomatiki Gosplana UkrSSR.
(Thermocouples)

BUTUSOV, Ivan Vasil'yevich; OLEYNIKOV, V.A., nauchnyy red.; BRUSKIN, D.M., ved. red.; YASHCHURZHINSKAYA, A.B., tekhn. red.

[Automatic indicating and recording devices] Avtomaticheskie kontrol'no-izmeritel'nye i reguliruiushchie pribory. Izd.3., perer. i dop. Leningrad, Gostoptekhizdat, 1963. 623 p. (MIRA 16:5)

(Electronic instruments)

L 52989-65 EWT(d)/EWP(c)/EWP(v)/T/EWP(k)/EWP(h)/EWP(l) Po-4/Pq-4/Pf-4/Pg-4/Pk-4/
PI-4 IJP(c) BC
ACCESSION NR AM5001002 BOOK EXPLOITATION S/ 65
64
Bt/

Butusov, Ivan Vasil'yevich

Digital devices for automatic control, measurement and guidance (TSifrovyye ustroystva dlya avtomaticheskogo kontrolya, izmereniya i upravleniya). Leningrad, Izd-vo "Nedra", 1964, 374 p. illus., biblio., fold. charts. [illegible] copies printed.

TOPIC TAGS: automatic control system, semiconductor equipment, ferrite, digital control system, information theory, analog digital converter, digital [illegible] system

PURPOSE AND COVERAGE: The book considers digital equipment for automatic control and measurement of production processes. It presents the basic [illegible] istics and describes the operating principles of automatic digital [illegible] machines for [illegible], and automatic control [illegible]. Attention is given to digital equipment using ferrite [illegible] elements. The book is intended for engineers and technicians concerned with [illegible] use of automation resources; it can also be used in higher educational institutions and technicums specializing in [illegible] and systems of automatic control.

Card 1/3 Submitted 11 Jun 64

BUTUSOV, I.V., kand. tekhn. nauk; CHUFRYAKOV, L.F.

Numerical indicator with an electroluminescent sign dial. Avtom. i prib. no. 1:25-27 Ja-Mr '64. (MIRA 17:5)

KUTAYTSEVA, Ye.I.; ZHUKOV, S.L.; BUTUSOVA, I.V.

Effect of technological factors on the appearance of a macrocrystalline rim in alloys of the systems Al - Mg - Si. Alium. splavy no.3:27-35 '64. (MIRA 17:6)

BUTUSOV, I.V., kand. tekhn. nauk

Principles of the construction of electrical digital measuring apparatus for general governmental equipment systems. Avtom. i prib. no.3:74-76 Jl-S '64. (MIRA 18:3)

BUTUSOV, I.V.

Principles for developing digital indicators for the electric digital branch of the state system of instruments and means of automation. Priborostroenie no. 4:11-14 Ap '64.
(MIFA 17:5)

L 12974-66 EWT(1)/EWA(h)

ACC NR: AP6001519 SOURCE CODE: UR/0302/65/000/004/0053/0055

AUTHOR: Butusov, I. V. (Candidate of technical sciences); Siromakha, I. F. 52

ORG: None B

TITLE: Digital indicators using IN-1 lamps and optical projection signal panels

SOURCE: Avtomatika i priborostroyeniye, no. 4, 1965, 53-55

TOPIC TAGS: digital system, data readout, real time data display, signal recording, digital display system

ABSTRACT: The article is a report on general-purpose digital indicators developed at the Institute of Automation of the State Committee on Instrument Building, Means of Automation and Control Systems, State Planning Committee SSSR (Institut avtomatiki Gosudarstvennogo komiteta po priborostroyeniyu, sredstvam avtomatizatsii i sistemam upravleniya pri Gosplane SSSR). The devices use digital IN-1 gas-filled lamps and PT-2 optical projection signal panels. Power is supplied from standard self-contained low-voltage sources used in semiconductor work. The units have memory systems and transistorized amplifiers. The indicators are designed on the modular unit system. A schematic is given of the basic decade unit and its operation is described in detail. The indicators operate on a -12 and +1.5 volt supply. In addition, the optical projection unit uses an extra -24 volt supply. The units operate reliably at ambient temperatures from 0 to 50C and voltage variations of +5

Card 1/2 UDC: 621.3.085.36

L 12974-66
ACC NR: AP6001519

to -15% of the nominal value. Orig. art. has: 1 figure.

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 002

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Card 2/2

L 00816-66 EWT(d)/EED-2/EWP(1) IJP(c) GG/BB
ACCESSION NR: AP5015866 UR/0119/65/000/006/0011/0013
621.374.32

AUTHOR: Butusov, I. V. (Candidate of technical sciences)

TITLE: Decimal digital counter storing information during short power interruptions

SOURCE: Priborostroyeniye, no. 6, 1965, 11-13

TOPIC TAGS: digital counter, decimal counter, nonvolative counter

ABSTRACT: A counter designed with contactless ferromagnetic and semiconductor devices, and with gas-discharge digit-display tubes is briefly described. The counter depends for its functioning on a static trigger that has a dynamic base asymmetry: the capacitances of its accelerating capacitors differ by several times (N. P. Pokhilo, et. al., "Avtomatika i priborostroyeniye", 1964, no. 1). It is recommended that the power supply be applied via a contactless shaper consisting of a smoothing filter (whose capacitor would support power during very short interruptions) and a threshold device (which would ensure a steep supply-voltage rise). Orig. art. has: 3 figures.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: DP, EC

Card 1/1 NO REF SOV: 002 OTHER: 00

ACC NR: AP6031286 SOURCE CODE: UR/0119/66/000/009/0016/0018

AUTHOR: Butusov, I. V. (Candidate of technical sciences); Siromakha, I. F.

ORG: none

TITLE: Control circuit for luminescent numerical dispalys based on potential-type logic elements

SOURCE: Priborostroyeniye, no. 9, 1966, 16-18

TOPIC TAGS: display panel, control circuit, logic element, luminescence

ABSTRACT: The development of a new luminescent-numerical-display circuit based on modular designs is reported. The circuit consists of an input unit, an internal storage, a read-signal shaper, a decoder, a supply unit, a numerical dispaly panel, and an integer-fraction separating device. An improved control circuit is based on Soviet-made MIR-1 potential-type logic elements. A principal circuit and functioning of the new dispaly are explained. These technical characteristics are claimed: supply, +6.3, -6.3, -12, -27 v; consumption, 5 w; information-recording rate, 50 cps; tolerable ambient-temperature variation, 0--50C; humidity, 30--80%; supply-voltage variation, ± 10%. Orig. art. has: 2 figures, 2 formulas, and 1 table.

SUB CODE: 09 / SUBM DATE: none

Card 1/1 UDC: 681.2.085